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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: Wed Jun 06 18:39:35 EDT 2007

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Application No: 10574575 Version No: 1.1

Input Set:

Output Set:

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Finished: 2007-06-06 18:39:28.800
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Total Warnings: 4
Total Errors: 0
No. of SeqIDs Defined: 14
Actual SeqID Count: 14

Error code	Error Description
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SEQUENCE LISTING

<110> Conti, Elena
 Bayliss, Richard
 Schultz, Carsten
 Vernos, Isabelle
 Sardon, Teresa

<120> Crystals of an Aurora-A TPX2 Complex, TPX2 Binding Site of
 Aurora-A, Aurora-A Ligands and Their Use

<130> 2021-123

<140> 10/574,575
 <141> 2006-04-04

<150> EP 03023136.9
 <151> 2003-10-10

<150> PCT/EP04/011381
 <151> 2004-10-11

<160> 14

<170> PatentIn version 3.3

<210> 1
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1

Met Ser Gln Val Lys Ser Ser Tyr Ser Tyr Asp Ala Pro Ser Asp Phe
 1 5 10 15

Ile Asn Phe Ser Ser Leu Asp Asp Glu Gly Asp Thr Gln Asn Ile Asp
 20 25 30

Ser Trp Phe Glu Glu Lys Ala Asn Leu Glu Asn
 35 40

<210> 2
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 <212> PRT
 <213> Xenopus sp.

<400> 2

Met Glu Asp Thr Gln Asp Thr Tyr Ser Tyr Asp Ala Pro Ser Ile Phe
 1 5 10 15

Asn Phe Ser Ser Phe His Glu Asp His Asn Ala Asp Ser Trp Phe Asp

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25

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Gln Val Thr Asn Ala Glu Asn
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<210> 3

<211> 45

<212> PRT

<213> Fugu rubripes

<400> 3

Met Ala Glu Ser Asn Phe Asp Ala Asp Ala Glu Leu Tyr Glu Tyr Asp
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Ala Pro Ser Glu Val Val Asp Leu Lys Glu Leu Gln Asp Val Glu Gly
20 25 30

Asp Asp Lys Trp Phe Glu Glu Gln Ala Leu Gly Val Asp
35 40 45

<210> 4

<211> 282

<212> PRT

<213> Homo sapiens

<400> 4

Glu Ser Lys Lys Arg Gln Trp Ala Leu Glu Asp Phe Glu Ile Gly Arg
1 5 10 15

Pro Leu Gly Lys Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Lys
20 25 30

Gln Ser Lys Phe Ile Leu Ala Leu Lys Val Leu Phe Lys Ala Gln Leu
35 40 45

Glu Lys Ala Gly Val Glu His Gln Leu Arg Arg Glu Val Glu Ile Gln
50 55 60

Ser His Leu Arg His Pro Asn Ile Leu Arg Leu Tyr Gly Tyr Phe His
65 70 75 80

Asp Ala Thr Arg Val Tyr Leu Ile Leu Glu Tyr Ala Pro Leu Gly Thr
85 90 95

Val Tyr Arg Glu Leu Gln Lys Leu Ser Lys Phe Asp Glu Gln Arg Thr
100 105 110

Ala Thr Tyr Ile Thr Glu Leu Ala Asn Ala Leu Ser Tyr Cys His Ser
115 120 125

Lys Arg Val Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu Leu Gly
130 135 140

Ser Ala Gly Glu Leu Lys Ile Ala Asp Phe Gly Trp Ser Val His Ala
145 150 155 160

Pro Ser Ser Arg Arg Thr Thr Leu Cys Gly Thr Leu Asp Tyr Leu Pro
165 170 175

Pro Glu Met Ile Glu Gly Arg Met His Asp Glu Lys Val Asp Leu Trp
180 185 190

Ser Leu Gly Val Leu Cys Tyr Glu Phe Leu Val Gly Lys Pro Pro Phe
195 200 205

Glu Ala Asn Thr Tyr Gln Glu Thr Tyr Lys Arg Ile Ser Arg Val Glu
210 215 220

Phe Thr Phe Pro Asp Phe Val Thr Glu Gly Ala Arg Asp Leu Ile Ser
225 230 235 240

Arg Leu Leu Lys His Asn Pro Ser Gln Arg Pro Met Leu Arg Glu Val
245 250 255

Leu Glu His Pro Trp Ile Thr Ala Asn Ser Ser Lys Pro Ser Asn Cys
260 265 270

Gln Asn Lys Glu Ser Ala Ser Lys Gln Ser
275 280

<210> 5
<211> 279
<212> PRT
<213> Xenopus sp.

<400> 5

Glu Gly Lys Lys Lys Gln Trp Cys Leu Glu Asp Phe Glu Ile Gly Arg
1 5 10 15

Pro Leu Gly Lys Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Arg
20 25 30

Glu Ser Lys Phe Ile Leu Ala Leu Lys Val Leu Phe Lys Ser Gln Leu
35 40 45

Glu Lys Ala Gly Val Glu His Gln Leu Arg Arg Glu Val Glu Ile Gln
50 55 60

Ser His Leu Arg His Pro Asn Ile Leu Arg Leu Tyr Gly Tyr Phe His
65 70 75 80

Asp Ala Ser Arg Val Tyr Leu Ile Leu Asp Tyr Ala Pro Gly Gly Glu
85 90 95

Leu Phe Arg Glu Leu Gln Lys Cys Thr Arg Phe Asp Asp Gln Arg Ser
100 105 110

Ala Met Tyr Ile Lys Gln Leu Ala Glu Ala Leu Leu Tyr Cys His Ser
115 120 125

Lys Lys Val Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu Leu Gly
130 135 140

Ser Asn Gly Glu Leu Lys Ile Ala Asp Phe Gly Trp Ser Val His Ala
145 150 155 160

Pro Ser Ser Arg Arg Thr Thr Leu Cys Gly Thr Leu Asp Tyr Leu Pro
165 170 175

Pro Glu Met Ile Glu Gly Arg Met His Asp Glu Thr Val Asp Leu Trp
180 185 190

Ser Leu Gly Val Leu Cys Tyr Glu Phe Leu Val Gly Lys Pro Pro Phe
195 200 205

Glu Thr Asp Thr His Gln Glu Thr Tyr Arg Arg Ile Ser Lys Val Glu
210 215 220

Phe Gln Tyr Pro Pro Tyr Val Ser Glu Glu Ala Arg Asp Leu Val Ser
225 230 235 240

Lys Leu Leu Lys His Asn Pro Asn His Arg Leu Pro Leu Lys Gly Val
245 250 255

Leu Glu His Pro Trp Ile Ile Lys Asn Ser Gln Leu Lys Lys Lys Asp
260 265 270

Glu Pro Leu Pro Gly Ala Gln
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<210> 6
<211> 267
<212> PRT
<213> Fugu rubripes

<400> 6

Arg Arg Arg Trp Ser Leu Glu Asn Phe Asp Ile Gly Arg Pro Leu Gly
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Lys Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Arg Gln Ser Arg
20 25 30

Phe Ile Leu Ala Leu Lys Val Leu Phe Lys Lys Gln Leu Glu Lys Ala
35 40 45

Gly Val Glu His Gln Leu Arg Arg Glu Val Glu Ile Gln Ser His Leu
50 55 60

Arg His Pro Asn Ile Leu Arg Leu Tyr Gly Tyr Phe His Asp Pro Ser
65 70 75 80

Arg Val Tyr Leu Ile Leu Glu Phe Ala Pro Lys Gly Glu Leu Tyr Gly
85 90 95

Glu Leu Gln Arg Cys Gly Ser Phe Pro Glu Glu Arg Ser Ala Thr Tyr
100 105 110

Ile Met Glu Leu Ala Asp Ala Leu Asn Tyr Cys His Ser Lys Lys Val
115 120 125

Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu Leu Gly Ala Asn Gly
130 135 140

Glu Leu Lys Ile Ala Asp Phe Gly Trp Ser Val His Thr Pro Ser Ser

145 150 155 160

Arg Arg Ser Thr Leu Cys Gly Thr Leu Asp Tyr Leu Pro Pro Glu Met
165 170 175

Ile Glu Gly Lys Thr His Asp Glu Lys Val Asp Leu Trp Ser Leu Gly
180 185 190

Val Leu Cys Tyr Glu Phe Leu Val Gly Lys Pro Pro Phe Glu Ala Lys
195 200 205

Thr His Glu Glu Thr Tyr Arg Arg Ile Ser Arg Val Glu Tyr Thr Tyr
210 215 220

Pro Ala His Thr Asn Ile Ser Asp Gly Ala Lys Asp Leu Val Ser Arg
225 230 235 240

Leu Leu Lys His Asn Pro Met Gln Arg Leu Pro Val Gln Gly Val Leu
245 250 255

Ala His Pro Trp Val Val Glu Arg Ser Thr Lys
260 265

<210> 7
<211> 269
<212> PRT
<213> Drosophila sp.

<400> 7

Gln Lys Pro Lys Lys Thr Trp Glu Leu Asn Asn Phe Asp Ile Gly Arg
1 5 10 15

Leu Leu Gly Arg Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Lys
20 25 30

Glu Ser Gln Phe Val Val Ala Leu Lys Val Leu Phe Lys Arg Gln Ile
35 40 45

Gly Glu Ser Asn Val Glu His Gln Val Arg Arg Glu Ile Glu Ile Gln
50 55 60

Ser His Leu Arg His Pro His Ile Leu Arg Leu Tyr Ala Tyr Phe His
65 70 75 80

Asp Asp Val Arg Ile Tyr Leu Ile Leu Glu Tyr Ala Pro Gln Gly Thr
85 90 95

Leu Phe Asn Ala Leu Gln Ala Gln Pro Met Lys Arg Phe Asp Glu Arg
100 105 110

Gln Ser Ala Thr Tyr Ile Gln Ala Leu Cys Ser Ala Leu Leu Tyr Leu
115 120 125

His Glu Arg Asp Ile Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu
130 135 140

Leu Gly His Lys Gly Val Leu Lys Ile Ala Asp Phe Gly Trp Ser Val
145 150 155 160

His Glu Pro Asn Ser Met Arg Met Thr Leu Cys Gly Thr Val Asp Tyr
165 170 175

Leu Pro Pro Glu Met Val Gln Gly Lys Pro His Thr Lys Asn Val Asp
180 185 190

Leu Trp Ser Leu Gly Val Leu Cys Phe Glu Leu Leu Val Gly His Ala
195 200 205

Pro Phe Tyr Ser Lys Asn Tyr Asp Glu Thr Tyr Lys Lys Ile Leu Lys
210 215 220

Val Asp Tyr Lys Leu Pro Glu His Ile Ser Lys Ala Ala Ser His Leu
225 230 235 240

Ile Ser Lys Leu Leu Val Leu Asn Pro Gln His Arg Leu Pro Leu Asp
245 250 255

Gln Val Met Val His Pro Trp Ile Leu Ala His Thr Gln
260 265

<210> 8
<211> 284
<212> PRT
<213> Caenorhabditis elegans

<400> 8

Ala Arg Glu Glu Ser Cys Trp Ser Leu Asp Asp Phe Asp Val Gly Arg

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Pro Leu Gly Lys Gly Lys Phe Gly Asn Val Phe Ile Ser Arg Glu Lys	20	25	30
Lys Thr Lys Arg Ile Ile Ala Leu Lys Val Leu Phe Lys Thr Gln Leu	35	40	45
Leu Gln Leu Gly Val Ser His Gln Leu Lys Arg Glu Ile Glu Ile Gln	50	55	60
Tyr His Leu Arg His Pro Asn Ile Leu Thr Leu Tyr Gly Tyr Phe His	65	70	75
Asp Asp Lys Arg Val Phe Val Ile Leu Asp Tyr Ala Ser Arg Gly Glu	85	90	95
Leu Phe Asn Val Leu Gln Ser Gln Pro Gly His Lys Val Asn Glu Val	100	105	110
Ile Ala Gly Arg Phe Val Arg Gln Leu Ala Asn Ala Leu His Tyr Cys	115	120	125
His Ser Lys Gly Val Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu	130	135	140
Leu Asp Ser Lys Leu Asn Leu Lys Leu Ala Asp Phe Gly Trp Ser Val	145	150	155
Val Ala Asp His Ser Lys Arg His Thr Leu Cys Gly Thr Met Asp Tyr	165	170	175
Leu Ala Pro Glu Met Val Ser Asn Gln Pro His Asp Phe Asn Val Asp	180	185	190
Ile Trp Ala Ile Gly Ile Leu Leu Phe Glu Met Leu Val Gly Tyr Ala	195	200	205
Pro Phe Ala Asn Gln Thr Gly Asp Lys Leu Ile Ala Arg Ile Lys Glu	210	215	220
Cys Lys Ile Tyr Ile Pro Ser Val Val Thr Asp Gly Ala Ala Ser Leu	225	230	235
			240

Ile Asn Ala Ile Ile Lys Lys Glu Pro Gln Glu Arg Leu Pro Leu Val
245 250 255

Asp Ile Met Ala His Pro Trp Ile Lys Glu Met Lys Gln Arg Glu Asp
260 265 270

Ile Glu Val Pro Leu Phe Ile Ser Thr Leu Thr Lys
275 280

<210> 9
<211> 279
<212> PRT
<213> Homo sapiens

<400> 9

Asp Ile Leu Thr Arg His Phe Thr Ile Asp Asp Phe Glu Ile Gly Arg
1 5 10 15

Pro Leu Gly Lys Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Lys
20 25 30

Lys Ser His Phe Ile Val Ala Leu Lys Val Leu Phe Lys Ser Gln Ile
35 40 45

Glu Lys Glu Gly Val Glu His Gln Leu Arg Arg Glu Ile Glu Ile Gln
50 55 60

Ala His Leu His His Pro Asn Ile Leu Arg Leu Tyr Asn Tyr Phe Tyr
65 70 75 80

Asp Arg Arg Arg Ile Tyr Leu Ile Leu Glu Tyr Ala Pro Arg Gly Glu
85 90 95

Leu Tyr Lys Glu Leu Gln Lys Ser Cys Thr Phe Asp Glu Gln Arg Thr
100 105 110

Ala Thr Ile Met Glu Glu Leu Ala Asp Ala Leu Met Tyr Cys His Gly
115 120 125

Lys Lys Val Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu Leu Gly
130 135 140

Leu Lys Gly Glu Leu Lys Ile Ala Asp Phe Gly Trp Ser Val His Ala
145 150 155 160

Pro Ser Leu Arg Arg Lys Thr Met Cys Gly Thr Leu Asp Tyr Leu Pro
165 170 175

Pro Glu Met Ile Glu Gly Arg Met His Asn Glu Lys Val Asp Leu Trp
180 185 190

Cys Ile Gly Val Leu Cys Tyr Glu Leu Leu Val Gly Asn Pro Pro Phe
195 200 205

Glu Ser Ala Ser His Asn Glu Thr Tyr Arg Arg Ile Val Lys Val Asp
210 215 220

Leu Lys Phe Pro Ala Ser Val Pro Thr Gly Ala Gln Asp Leu Ile Ser
225 230 235 240

Lys Leu Leu Arg His Asn Pro Ser Glu Arg Leu Pro Leu Ala Gln Val
245 250 255

Ser Ala His Pro Trp Val Arg Ala Asn Ser Arg Arg Val Leu Pro Pro
260 265 270

Ser Ala Leu Gln Ser Val Ala
275

<210> 10

<211> 280

<212> PRT

<213> Xenopus sp.

<400> 10

Glu Met Pro Lys Arg Lys Phe Thr Ile Asp Asp Phe Asp Ile Gly Arg
1 5 10 15

Pro Leu Gly Lys Gly Lys Phe Gly Asn Val Tyr Leu Ala Arg Glu Lys
20 25 30

Gln Asn Lys Phe Ile Met Ala Leu Lys Val Leu Phe Lys Ser Gln Leu
35 40 45

Glu Lys Glu Gly Val Glu His Gln Leu Arg Arg Glu Ile Glu Ile Gln
50 55 60

Ser His Leu Arg His Pro Asn Ile Leu Arg Met Tyr Asn Tyr Phe His
65 70 75 80

Asp Arg Lys Arg Ile Tyr Leu Met Leu Glu Phe Ala Pro Arg Gly Glu
85 90 95

Leu Tyr Lys Glu Leu Gln Lys His Gly Arg Phe Asp Glu Gln Arg Ser
100 105 110

Ala Thr Phe Met Glu Glu Leu Ala Asp Ala Leu His Tyr Cys His Glu
115 120 125

Arg Lys Val Ile His Arg Asp Ile Lys Pro Glu Asn Leu Leu Met Gly
130 135 140

Tyr Lys Gly Glu Leu Lys Ile Ala Asp Phe Gly Trp Ser Val His Ala
145 150 155 160

Pro Ser Leu Arg Arg Arg Thr Met Cys Gly Thr Leu Asp Tyr Leu Pro
165 170 175